|         | Туре | Hits, | Search Text   | DBs  | Time Stamp       |
|---------|------|-------|---|--|------------------|
|         | BRS  | 1034  | (385/\$.ccls. or (optic\$4 near5 fiber)) and ((pico\$1second)) or (pico adj second))  | UB; EPO;<br>; IBM_TDB                          | 2003/05/14 17:17 |
| 2       | BRS  | 943   | ((385/\$.ccls. or (optic\$4 near5 fiber)) and<br>((pico\$1second) or (pico adj second))) and laser  |  | 2003/05/10 13:33 |
| ω       | BRS  | 357   | ((385/\$.ccls. or (optic\$4 near5 fiber)) and ((pico\$1second) or (pico adj second))) and (pulse adj width)   | 1  | 2002/06/27 10:34 |
| 4       | BRS  | 97    | (385/\$.ccls. or (optic\$4 near5 fiber)) and (((pico\$1second) or (pico adj second)) near30 (pulse near5 width))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 13:49 |
| Ŋ       | BRS  | 248   | ((385/\$.ccls. or (optic\$4 near5 fiber)) and ((pico\$1second) or (pico adj second))) and ((modif\$3 or chang\$3 or alter\$3) near20 (refract\$3 near3 (index or indices)))   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2002/06/27 10:51 |
| თ       | BRS  | 857   | (385/37 or 385/14 or 385/129 or 385/130 or<br>385/131).ccls. and (laser) and (grating) and ((chang\$4<br>or increas\$4 or decreas\$4) near5 (refract\$4 near2<br>index))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 15:00 |
| 7       | BRS  | 799   | (385/37 or 385/14 or 385/129 or 385/130 or<br>385/131).ccls. and (laser) and (grating) and ((chang\$4<br>or increas\$4 or decreas\$4) near2 (refract\$4 near2<br>index))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 15:25 |
| 8       | BRS  | 605   | (385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (laser) and (grating) and ((chang\$4 or increas\$4 or decreas\$4) adj (refract\$4 near2 index))   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 13:53 |
| ω       | BRS  | 106   | ((385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (laser) and (grating) and ((chang\$4 or increas\$4 or decreas\$4) near5 (refract\$4 near2 index))) and (bandgap or band-gap or (band adj gap))                                   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 13:53 |
| 10      | BRS  | 24    | ((hikaru near2 kouta) or (yutaka near2 urino)) and<br>(refract\$5 near2 index)  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 13:59 |
| <u></u> | BRS  | 77    | (385/37 or 385/14 or 385/129 or 385/130 or<br>385/131).ccls. and (laser) and (bragg near2 grating) and USPAT; US-PGPUB; EPO;<br>(((chang\$4 or increas\$4 or decreas\$4) near5 (refract\$4_JPO; DERWENT; IBM_TDB<br>near2 index)) near20 laser) |  | 2003/04/30 14:05 |
| 12      | BRS  | ಪ     | ("4632553"   "4859548"   "5042897"   "5218651"  <br>"5307437"   "5309260"   "5377288"   "5388173"  <br>"5430817"   "5457760"   "5502786"   "5528716"  <br>"5559907"),PN.  | USPAT  | 2003/04/30 14:05 |
| 13      | BRS  | 3     | (("4632553"   "4859548"   "5042897"   "5218651"  <br>"5307437"   "5309260"   "5377288"   "5388173"  <br>"5430817"   "5457760"   "5502786"   "5528716"  <br>"5559907").PN.) and (refract\$5 near2 index)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 14:06 |
| 14      | BRS  | 211   | (385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (laser) and (grating) and ((chang\$4 or increas\$4 or decreas\$4) near2 (refract\$4 near2 index)) near10 core)  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 15:13 |

|    | Туре | Hits. | · Search Text  | DBs  | Time Stamp       |
|----|------|-------|--|--|------------------|
| 15 | BRS  | 29    | ((385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (laser) and (grating) and (((chang\$4 or increas\$4 or decreas\$4) near2 (refract\$4 near2 index)) near10 core)) and (stack\$4)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/07 09:58 |
| 16 | BRS  | 18    | (((385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (laser) and (grating) and (((chang\$4 or increas\$4 or decreas\$4) near2 (refract\$4 near2 index)) near10 core)) and (stack\$4)) and focus\$4  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 15:13 |
| 17 | BRS  | 441   | (385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (laser) and (bragg near2 grating) and USPAT; US-PGPUB; EPO; ((chang\$4 or increas\$4 or decreas\$4) near5 (refract\$4 JPO; DERWENT; IBM_TD near2 index))   | ω.   | 2003/04/30 16:08 |
| 18 | BRS  | 4     | (385/\$).ccls. and (laser) and (grating) and (((chang\$4 or increas\$4 or decreas\$4) near5 (refract\$4 near2 index)) near10 ((top or bottom) near5 core))   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 15:58 |
| 19 | BRS  | 34    | (Erdogan near2 Turan )   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 15:37 |
| 20 | BRS  | 10    | ("5367588"   "5600665"   "5620495"   "5745617"  <br>"5760960"   "5818988"   "5830622"   "5859945"  <br>"6072926"   "6243517").PN.  | USPAT  | 2003/04/30 15:42 |
| 21 | BRS  | 5     | (((chang\$4 or increas\$4 or decreas\$4) near5 (refract\$4 near2 index)) near10 ((bottom) near5 core))   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 16:07 |
| 22 | BRS  | 49    | (((refract\$4 near2 index)) near10 ((bottom) near5 core))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 16:08 |
| 23 | BRS  | 662   | (385/\$).ccls. and (laser) and (bragg near2 grating) and ((chang\$4 or increas\$4 or decreas\$4) near5 (refract\$4 near2 index))   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/04/30 16:18 |
| 24 | BRS  | 221   | ((385/\$).ccls. and (laser) and (bragg near2 grating) and ((chang\$4 or increas\$4 or decreas\$4) near5 (refract\$4 near2 index))) not ((385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (laser) and (bragg near2 grating) and ((chang\$4 or increas\$4 or decreas\$4) near5 (refract\$4 near2 index))) | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/01 14:49 |
| 25 | BRS  | 179   | ((385/\$).ccls. and (((chang\$4 or increas\$4 or decreas\$4) near5 (refract\$4 near2 index))) near20 density)  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/01 14:51 |
| 26 | BRS  | 141   | ((385/\$).ccls. and (((chang\$4 or increas\$4 or decreas\$4) near5 (refract\$4 near2 index))) near10 density)  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/02 16:29 |
| 27 | BRS  | 72    |  | w  | 2003/05/02 16:18 |
| 28 | BRS  | 19    |  | ω  | 2003/05/02 16:34 |
| 29 | BRS  | 5     | ((385/\$).ccls. and ((( decreas\$4) near5 (refract\$4 near2 index))) near10 hole)  | <u> </u> ω                                     | 2003/05/02 16:40 |
| 30 | BRS  | 60    | (hikaru near2 kouta) or (yutaka near2 urino)   | JPO; DERWENT; IBM_TDB                          | 2003/05/02 16:38 |

|    | Туре | Hits | Search Text  |           | DBs  |
|----|------|------|--|-----------|--|
| 31 | BRS  | 14   | ((hikaru near2 kouta) or (yutaka near2 urino)) and (decreas\$4 or hole)  | <u> </u>  | JPO; DERWENT; IBM_TDB 2003/05/02 16:38   |
| 32 | BRS  | 206  | ((385/\$).ccls. and (( (refract\$4 near2 index))) near10 hole)   | ar<br>Sn  | USPAT; US-PGPUB; EPO; 2003/05/02 16:57   |
| 33 | BRS  | 28   | (385/\$).ccls. and ((lower\$4 near10 (refract\$4 near2 index)) near10 hole)  | 뉴드        | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB 2003/05/02 16:50                      |
| 34 | BRS  | 43   | (385/\$).ccls. and (((decreas\$\$ or lower\$4 or reduc\$4) near10 (refract\$4 near2 index)) near10 hole)   | <u>_</u>  | USPAT; US-PGPUB; EPO; 2003/05/02 17:09   |
| 35 | BRS  | 15   | ((385/\$).ccls. and (((decreas\$\$ or lower\$4 or reduc\$4) near10 (refract\$4 near2 index)) near10 hole)) not ((385/\$).ccls. and ((lower\$4 near10 (refract\$4 near2 index)) near10 hole))                 | ᅩᆫ        | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB 2003/05/02 16:54                      |
| 36 | BRS  | 3    | 5585968.URPN.  |           | USPAT 2003/05/02 16:55   |
| 37 | BRS  | 16   | ("4462662"   "4524127"   "4528260"   "4670033"  <br>"4737946"   "4778256"   "4878724"   "4912014"  <br>"4936666"   "4948214"   "4983499"   "5046159"  <br>"5062688"   "5085977"   "5164945"   "5253103").PN. |           |  |
| 38 | BRS  | 2    | (385/\$).ccls. and ((refract\$4 near2 index) near20 photosensitiv\$5 near30 hole)  | , –       | USPAT; US-PGPUB; EPO; 2003/05/02 17:06   |
| 39 | BRS  | 51   | (385/\$).ccls. and ((refract\$4 near2 index) near20 hole) and (uv or (ultraviolet) or ultra-violet or (ultra near2 violet))  | , _       | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB 2003/05/02 16:59                      |
| 40 | BRS  | 206  | (385/\$).ccls. and ((refract\$4 near2 index) near10 hole)  |           | USPAT; US-PGPUB; EPO;   2003/05/02 17:06<br>JPO; DERWENT; IBM_TDB   2003/05/02 17:06 |
| 41 | BRS  | 74   | (385/\$).ccls. and (((decreas\$\$ or lower\$4 or reduc\$4) near10 (refract\$4 near2 index)) near20 density)  | ∟∟        | USPAT; US-PGPUB; EPO; 2003/05/02 17:47   |
| 42 | BRS  | 373  | (385/\$).ccls. and ((refract\$4 near2 index) near10 density)   | 당면        | USPAT; US-PGPUB; EPO; 2003/05/03 19:42   |
| 43 | BRS  | 3    | (385/\$).ccls. and (((refract\$4 near2 index) near10 density) near20 (lower\$4 and cladding))  | JP(       | USPAT; US-PGPUB; EPO; 2003/05/03 19:49   |
| 44 | BRS  | 5    | 385/\$.ccls. and ((power near2 density) near10 saturat\$5)   | JP(<br>SU | USPAT; US-PGPUB; EPO;   2003/05/03 20:20<br>JPO; DERWENT; IBM_TDB   2003/05/03 20:20 |
| 45 | BRS  | 9    | 385/\$.ccls. and (completely near5 chang\$4 near5 (refract\$4 near2 index))  | JP(<br>SU | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB 2003/05/03 20:24                         |
| 46 | BRS  | 65   | 385/\$.ccls. and ((thermal or heat near3 treatment) near20 irradiation)  | JP CI     | USPAT; US-PGPUB; EPO; 2003/05/03 20:25   |
| 47 | BRS  | 54   | 385/\$.ccls. and ((thermal or heat near3 treatment) near10 irradiation)  | JP(S      | USPAT; US-PGPUB; EPO; 2003/05/03 20:25   |
| 48 | BRS  | 64   | (385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (thermal near2 treat\$5)   | 뉴드        | USPAT; US-PGPUB; EPO; 2003/05/07 10:33   |
| 49 | BRS  | 76   |  | ≒⊆        | USPAT; US-PGPUB; EPO; 2003/05/07 10:00   |
| 50 | BRS  | 32   | ((385/37 or 385/14 or 385/129 or 385/130 or<br>385/131).ccls. and (thermal\$4 near2 treat\$5)) and<br>grating  | ے ر       | USPAT; US-PGPUB; EPO; 2003/05/07 10:10   |
| 51 | BRS  | 0    |  | T-        | USPAT 2003/05/07 10:06   |
| 52 | BRS  | 6    | ("5196041"   "5299276"   "5495548"   "5556442"  <br>"5800860"   "5930437").PN  |           | USPAT 2003/05/07 10:06   |

|    | Type | Hits    | Search Text   | DBs  | Time Stamp       |
|----|------|---------|---|--|------------------|
| 53 | BRS  | ω       | (385/\$).ccls. and ((thermal\$4 near2 treat\$5) near20 grating)   | USPAT, US-PGPUB, EPO, JPO, DERWENT, IBM_TDB    | 2003/05/07 10:12 |
| 54 | BRS  | 491     | (385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (uneven\$4 or flatten\$4)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/07 10:43 |
| 55 | BRS  | 8       | (385/37 or 385/14 or 385/129 or 385/130 or<br>385/131).ccls. and ((uneven\$4 or flatten\$4) near15<br>(liquid or gel or gelled))  | I  | 2003/05/07 15:11 |
| 56 | BRS  | 9       | (385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (uneven\$4 near20 flatten\$4)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/07 10:43 |
| 57 | BRS  | 28      | (385/\$).ccls. and (uneven\$4 near20 flatten\$4)  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/07 13:17 |
| 58 | BRS  | 32      | (385/\$).ccls. and ((uneven\$4 or flatten\$4) near15 (liquid or gel or gelled))   | i  | 2003/05/07 13:30 |
| 59 | BRS  | 60      | uta) or (yutaka near2 urino)  | 1  | 2003/05/07 14:54 |
| 60 | BRS  | 5       | ((hikaru near2 kouta) or (yutaka near2 urino)) and (uneven or flatten\$4 or flat\$5 or gel or gelled or liquid)   | İ  | 2003/05/07 13:20 |
| 61 | BRS  | 16      | ((hikaru near2 kouta) or (yutaka near2 urino)) and (uneven or flatten\$4 or flat\$5 or gel or gelled or liquid or applied or apply or applying)   | i  | 2003/05/07 13:26 |
| 62 | BRS  | 134     | (385/\$).ccls. and ((uneven\$4 or flatten\$4) near15 (clad or cladding))  | I.   | 2003/05/07 13:40 |
| 63 | BRS  | 492     | (385/\$).ccls. and ((flatten\$4 or flat\$5) near15 (clad or cladding))  |  | 2003/05/07 13:41 |
| 64 | BRS  | 83      | (385/\$).ccls. and ((flatten\$4 ) near15 (clad or cladding))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/07 14:09 |
| 65 | BRS  | 87      | (NEc) and ((cladding or clad) near20 (flat or flatten\$4))  |  | 2003/05/07 14:00 |
| 66 | BRS  | 10      | (NEc) and ((cladding or clad) near20 (flatten\$4))  |  | 2003/05/07 14:00 |
| 67 | BRS  | 1094969 | ((385/\$).ccls. or (optic\$4 near4 waveguide or wave-guide or (wave adj guide) or fiber))   |  | 2003/05/07 14:12 |
| 89 | BRS  | 153     | (((385/\$).ccls. or (optic\$4 near4 waveguide or wave-guide or (wave adj guide) or fiber))) and (flatten\$4 near15 (clad or cladding))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/07 14:26 |
| 69 | BRS  | 94      | (((385/\$).ccls. or (optic\$4 near4 waveguide or wave-guide or (wave adj guide) or fiber))) and (flatten\$4 near15 (cmp or (chemical near2 mechanical near2 polish\$4)))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/07 14:14 |
| 70 | BRS  | N       | ((((385/\$), ccls. or (optic\$4 near4 waveguide or wave-guide or (wave adj guide) or fiber))) and (flatten\$4 near15 (clad or cladding))) and ((((385/\$), ccls. or (optic\$4 near4 waveguide or wave-guide or (wave adj guide) or fiber))) and (flatten\$4 near15 (cmp or (chemical near2 mechanical near2 polish\$4)))) | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/07 14:14 |
| 71 | BRS  | 9       | ("2992516"   "3930714"   "4179189"   "4227771"  <br>"4233045"   "4310339"   "4312654"   "4314837"  <br>"4360371").PN.   | USPAT  | 2003/05/07 14:19 |

|    | Type | Hits | Search Text   | DBs  |                                 |
|----|------|------|---|--|---------------------------------|
| 72 | BRS  | 2    | iveguide or<br>fiber))) and (flatten\$4<br>neven\$5)  | USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   | O;<br>DB 2003/05/07 14:27       |
| 73 | BRS  | 2    | (((385/\$).ccls. or (optic\$4 near4 waveguide or wave-guide or (wave adj guide) or fiber))) and (flatten\$4 near15 (clad or cladding) near30 uneven\$5) | USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   | O;<br>DB 2003/05/07 14:28       |
| 74 | BRS  | 2    | (hikaru near2 kouta) and (yutaka near2 urino)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | D <sub>B</sub> 2003/05/07 14:44 |
| 75 | BRS  | 612  | (385/\$.ccls.) and (taper\$4 near5 core)  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | );<br>DB  2003/05/07 14:55      |
| 76 | BRS  | 125  | (385/\$.ccls.) and (taper\$4 adj core)  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | );<br>)B 2003/05/07 15:11       |
| 77 | BRS  | 34   | ((385/\$.ccls.) and (taper\$4 adj core)) and grating  | USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   | );<br>)B  2003/05/07 14:58      |
| 78 | BRS  | _    | (385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (grating near10 diffract\$4 near10 (any adj direction))                                   | USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   | );<br>)B 2003/05/07 15:13       |
| 79 | BRS  |      | (385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (grating near10 diffract\$4 near10 (("any" or "all") adj direction))                      | USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   | );<br>)B 2003/05/07 15:14       |
| 80 | BRS  | 1272 | (385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (grating near10 diffract\$4)  | USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   | );<br>)B 2003/05/07 15:15       |
| 81 | BRS  | 485  | ((385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (grating near10 diffract\$4)) and  | JPO; DERWENT; IBM_TD                           | );<br>)B 2003/05/07 15:16       |
| 82 | BRS  | 166  | (1(899/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (grating near10 diffract\$4)) and bragg) and (diffract\$4 near10 direction)             | USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   | );<br>)B 2003/05/07 15:19       |
| 83 | BRS  | 7    | ("6240224" or "6104852") and diffract\$4  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TD  | );<br>)B 2003/05/07 15:22       |
| 84 | BRS  | -    | ("6240224" or "6104852").pn. and diffract\$4  | USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   | );<br>)B 2003/05/07 15:21       |
| 85 | BRS  | 67   | ((385/37 or 385/14 or 385/129 or 385/130 or 385/131).ccls. and (grating near10 diffract\$4)) and (write near5 grating)                                  | USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   | );<br>)B 2003/05/07 15:34       |
| 86 | BRS  | 7    | 385/\$.ccls. and (slub)   | JPO; DERWENT; IBM_TD                           | );<br>)B 2003/05/07 15:37       |
| 87 | BRS  | 1861 | slub  | USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   | );<br>)B  2003/05/07 15:37      |
| 88 | BRS  | 17   | slub and (optic\$4 near2 (waveguide or fiber or wave-guide or (wave adj guide)))  | JPO; DERWENT; IBM_TD                           | );<br>)B 2003/05/07 15:55       |
| 89 | BRS  | 2    | <u> </u>  | JPO; DERWENT; IBM_TD                           | );<br>)B 2003/05/07 16:09       |
| 90 | BRS  | 3    |   | JPO; DERWENT; IBM_TD                           | );<br>)B 2003/05/07 16:11       |
| 91 | BRS  | 3    | 385/\$.ccls. and (array\$4 near2 grating) and (wdm) and (refract\$4 near20 (specific near2 wavelength))   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDI | )B 2003/05/07 16:12             |
| 92 | BRS  | 451  | 385/\$ ccls. and (array\$4 near2 grating) and (wdm)   | JPO; DERWENT; IBM_TDB                          | )<br>DB  2003/05/07 16:12       |

| 93<br>B | Type<br>BRS | Hits. | Search Text 385/\$.ccls. and (array\$4 near2 grating) and  | refract\$4                                     | (refract\$4      |
|---------|-------------|-------|--|--|------------------|
| 94 BF   | BRS         | 58    | 385/\$.ccls. and (interferometer) and (writ\$4 near10 grating) and (feedback\$4 or (feed adj back\$4) or feed-back\$4)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 11:40 |
| 95 BI   | BRS         | 16    | 385/\$.ccls. and (writ\$4 near10 grating) near30 (feedback\$4 or (feed adj back\$4) or feed-back\$4)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 11:51 |
| 96 BI   | BRS         | 44    | ("4474427"   "4725110"   "4737007"   "4798436"     "4807950"   "4900119"   "5007705"   "5016967"     "5104209"   "5157747"   "518760"   "5216739"     "5218655"   "5235659"   "5271024"   "5283686"     "5287427"   "5309260"   "5327515"   "5337382"     "5351321"   "5363239"   "5367588"   "5377288"     "5400166"   "5416866"   "5420948"   "5425116"     "5444803"   "5450511"   "5457758"   "5459801"     "5495548"   "5506925"   "5517589"   "5790726"     "5805751"   "5818987"   "5875272"   "5937115").PN. | USPAT  | 2003/05/08 11:56 |
| 97 BI   | BRS         | 44    | ("4474427"   "4725110"   "4737007"   "4798436"   "4807950"   "4900119"   "5007705"   "5016967"   "5104209"   "5157747"   "5187760"   "5216739"   "5218655"   "5235659"   "5271024"   "5283686"   "5287427"   "5309260"   "5327515"   "5337382"   "5351321"   "5363239"   "5367588"   "5377288"   "5400166"   "5416866"   "5420948"   "5425116"   "5444803"   "5450511"   "5457758"   "557807"   "5581642"   "5627933"   "5633965"   "5790726"   "5805751"   "5818987"   "5875272"   "5937115").PN.                   | USPAT  | 2003/05/08 11:56 |
| 98 BI   | BRS         | 752   | 385/\$.ccls. and grating and (photosensit\$7)  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 12:53 |
| 99 BF   | BRS         | 154   | (385/\$.ccls. and grating and (photosensit\$7)) and (feedback\$4 or feed-back\$4 or (feed adj back\$4))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 12:47 |
| 100 BF  | BRS         | 14    | 385/\$.ccls. and grating and ((uv or ultra-violet or ultraviolet or (ultra adj violet)) near40 (feedback\$4 or feed-back\$4 or (feed adj back\$4)))  | ω.   | 2003/05/08 13:29 |
| 101 BRS | S           | 157   | 385/\$.ccls. and (grating) and (core near10 (clad or cladding) near20 (polymer or amorphous))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 15:26 |
| 102 BRS |             | 97    | (385/\$.ccls. and (grating) and (core near10 (clad or cladding) near20 (polymer or amorphous))) and (uv or ultraviolet or ultra-violet or (ultra adj violet))  | ָׁטַ <u>.</u>                                  | 2003/05/08 15:17 |
| 103 BRS |             | 40    | 385/\$.ccls. and ((grating) near20 (uv or ultraviolet or ultra-violet or (ultra adj violet))) and (core near10 (clad or cladding) near20 (polymer or amorphous))   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 15:50 |
| 104 BRS |             | ω     | 385/\$.ccls. and ((grating) near20 (uv or ultraviolet or ultra-violet or (ultra adj violet))) and (glass near10 (thin near2 film)) and (silicon near10 substrate)  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 15:49 |
| 105 BRS |             | 27    | (385/130 or 385/131).ccls. and (grating) and (silicon near2 substrate) and (glass near20 (core or cladding))   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 15:53 |

|     | Туре | Hits | Search Text  | DBs  | Time Stamp       |
|-----|------|------|--|--|------------------|
| 106 | BRS  | 13   | ((385/130 or 385/131).ccls. and (grating) and (silicon near2 substrate) and (glass near20 (core or cladding))) and (thin adj film) | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 15:53 |
| 107 | BRS  | 24   | (385/130 or 385/131).ccls. and (grating) and ((thin adjfilm) near5 glass)  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 17:12 |
| 108 | BRS  | 6    | ((385/130 or 385/131).ccls. and (grating) and ((thin adj<br>film) near5 glass)) and ((silicon or si) near2 substrate)              | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 17:10 |
| 109 | BRS  | 115  | (385/130 or 385/131).ccls. and (grating) and (silicon near2 substrate)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 17:16 |
| 110 | BRS  | 25   | ((385/130 or 385/131).ccls. and (grating) and (silicon near2 substrate)) and (bragg near2 grating)                                 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 17:29 |
| 111 | BRS  | 793  | 385/\$.ccls. and wdm and (bragg near2 grating)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 17:32 |
| 112 | BRS  | 34   | (385/130 or 385/131).ccls. and wdm and (bragg near2 grating)   |  | 2003/05/08 18:34 |
| 113 | BRS  | 83   | ((385/37).ccls. and wdm and (bragg near2 grating)) and interval  |  | 2003/05/08 17:35 |
| 114 | BRS  | 421  | (385/37).ccls. and wdm and (bragg near2 grating)   |  | 2003/05/08 17:39 |
| 115 | BRS  | 105  | (385/37).ccls. and (wdm near20 (bragg near2 grating))  | 1  | 2003/05/08 18:17 |
| 116 | BRS  | 2    | 6014480.pn.  |  | 2003/05/08 18:20 |
| 117 | BRS  | 7    | ("5434937"   "5446809"   "5457760"   "5469288"  <br>"5600473"   "5673129"   "5699468").PN.   | USPAT  | 2003/05/08 18:20 |
| 118 | BRS  | 16   | (385/130 or 385/131).ccls. and wdm and interval  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 18:35 |
| 119 | BRS  | 516  | (385/\$).ccls. and wdm and interval  |  | 2003/05/08 18:36 |
| 120 | BRS  | 158  | ((385/\$) ccls. and wdm and interval) and (bragg near3 grating)  |  | 2003/05/08 22:14 |
| 121 | BRS  | 54   | (385/129 or 385/130 or 385/131).ccls. and (wdm and bragg near3 grating))   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 22:21 |
| 122 | BRS  | 39   | (385/129 or 385/130 or 385/131).ccls. and (wdm and (bragg near3 grating)) and (grating near3 period)                               | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 22:41 |
| 123 | BRS  | 2    | 5838700.pn.  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 22:29 |
| 124 | BRS  | 61   | (385/129 or 385/130 or 385/131).ccls. and ((bragg near3 grating)) and (array)  | œ · ·  | 2003/05/08 23:29 |
| 125 | BRS  | 1042 | (385/\$).ccls. and (fiber or waveguide or wave-guide or (wave adj guide)) near5 interval   | ω -  | 2003/05/08 23:36 |
| 126 | BRS  | 60   | (KOUTA near2 HIKARU) or (URINO near2 YUTAKA)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 23:31 |
| 127 | BRS  | 8    | (385/\$).ccls. and ((fiber or waveguide or wave-guide or wave adj guide)) near5 interval) near5 micron                             | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 23:39 |

|     | Type | Hits | Search Text  | DBs  | Time Stamp       |
|-----|------|------|--|--|------------------|
| 128 | BRS  | 317  | ((385/\$).ccls. and (fiber or waveguide or wave-guide or (wave adj guide)) near5 interval) and array   | UB; EPO;                                       | 2003/05/08 23:40 |
| 129 | BRS  | 110  | vave-guide or<br>) and (grating)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 23:40 |
| 130 | BRS  | 24   | ((((385/\$).ccls. and (fiber or waveguide or wave-guide or (wave adj guide)) near5 interval) and array) and (grating)) and (bragg near3 grating)                                 | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 23:46 |
| 131 | BRS  | 2    | 6154593.pn.  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/08 23:47 |
| 132 | BRS  | 329  | 385/\$.ccls. and ((lpfg or lpg) or (long-period or (long adj<br>period) near3 grating))  | 1  | 2003/05/09 08:03 |
| 133 | BRS  | 325  | 385/\$.ccls. and ((lpfg) or (long-period or (long adj<br>period) near3 grating))   | 1  | 2003/05/09 08:02 |
| 134 | BRS  | 4    | (385/\$.ccls. and ((lpfg or lpg) or (long-period or (long adj<br>period) near3 grating))) not (385/\$.ccls. and ((lpfg) or<br>(long-period or (long adj period) near3 grating))) | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/09 12:33 |
| 135 | BRS  | 208  | (385/\$.ccls. and ((lpfg) or (long-period or (long adj<br>period) near3 grating))) and (bragg)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/09 08:03 |
| 136 | BRS  | 117  | 385/\$.ccls. and (((lpfg or lpg) or (long-period or (long adj USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   | ω.   | 2003/05/09 08:03 |
| 137 | BRS  | 126  | 385/\$.ccls. and (((lpfg or lpg) or (long-period or (long adj USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   | ω.   | 2003/05/09 09:02 |
| 138 | BRS  | 139  | 385/\$.ccls. and (((lpfg or lpg) or (long-period or (long adj USPAT; US-PGPUB; EPO JPO; DERWENT; IBM_TD  | ω,   | 2003/05/09 08:10 |
| 139 | BRS  | 186  | 385/\$.ccls. and (pulse near10 (femtosecond or femto-second or (femto adj second) or fs))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/09 08:22 |
| 140 | BRS  | 2    | "20010021293"  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/09 08:16 |
| 141 | BRS  | 47   | (385/\$.ccls. and (pulse near10 (femtosecond or femto-second or (femto adj second) or fs))) and bragg  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/09 08:22 |
| 142 | BRS  | 288  | 385/\$.ccls. and (array near30 (microns or um))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/09 09:03 |
| 143 | BRS  | 9    | (385/129 or 385/130 or 385/131).ccls. and (array near30 (microns or um))   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/09 11:47 |
| 144 | BRS  | 107  | (385/129 or 385/130 or 385/131).ccls. and ((fibers or (waveguides or wave-guides of (wave adj guides))) near30 (micron or microns or um))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/09 09:34 |
| 145 | BRS  | 550  | (385/\$).ccls. and ((uv or ultra-violet or ultraviolet or (ultra<br>adj violet)) near20 (grating))   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/09 09:35 |
| 146 | BRS  | 33   | ((385/\$).ccls. and ((uv or ultra-violet or ultraviolet or (ultra adj violet)) near20 (grating))) and (glass and tin)  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/09 09:39 |
| 147 | BRS  | 30   | ((385/\$).ccls. and ((uv or ultra-violet or ultraviolet or (ultra adj violet)) near20 (grating))) and (("no" or "not") near10 (ge or germanium or germania or german\$5))        | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/09 09:40 |
| 148 | BRS  | 618  | ((uv or ultra-violet or ultraviolet or (ultra adj violet)) near10 (grating)) and 385/\$.ccls.  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/09 11:51 |
| 149 | BRS  | 236  | (((uv or ultra-violet or ultraviolet or (ultra adj violet)) near10 (grating)) and 385/\$.ccls.) and (lens)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/09 11:50 |

| USPAT; US-PGPUB; EPO;<br>JPO: DERWENT: IBM TDI |
|--|
| USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   |
| USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   |
| USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB    |
| USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| USPAT; US-PGPUB; EPO<br>JPO; DERWENT; IBM_TD   |
| USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TD  |
| USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB |
| JPO; DERWENT; IBM_TDB                          |
| DBs  |

|     | Туре | Hits   | Search Text  | DBs   | Time Stamp       |
|-----|------|--------|--|---|------------------|
| 169 | BRS  | 74     | (bragg near2 grating) and (grating near30 (diffracting near5 (rays or light)))   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/10 13:29 |
| 170 | BRS  | 107    | 385/\$.ccls. and (grating near10 (diffracting near5 (rays or light)))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/10 13:46 |
| 171 | BRS  | 16     | ("5838700" or "6104852" or "4537469" or "6240224" or "6154591" or "6222956" or "6459829" or "6151429" or "6046854" or "6169830" or "6084050" or "6031957" or "6311004" or "6014480" or "6442311" or                                    | USPAT   | 2003/05/10 13:35 |
| 172 | BRS  | 12     | ((5888398)"Rh: "6104852" or "4537469" or "6240224" or "6154591" or "6222956" or "6459829" or "6151429" or "6046854" or "6169830" or "6084050" or "6031957" or "6311004" or "6014480" or "6442311" or "5216739").pn.) and (diffract\$4) | USPAT   | 2003/05/10 13:35 |
| 173 | BRS  | O      | ("5641956"   "5945666"   "6075907"   "6125225"  <br> "6137565"   "6169831").PN.  | USPAT   | 2003/05/10 13:45 |
| 174 | BRS  | 208    | 385/\$.ccls. and (grating near15 (diffracting))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/10 14:11 |
| 175 | BRS  | 18     | (385/\$.ccls. and (grating near15 (diffracting))) and (refract\$4 near3 index) near30 (uv or ultra-violet or ultraviolet or (ultra adj violet))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/10 13:59 |
| 176 | BRS  | 6      | ("5641956"   "5945666"   "6075907"   "6125225"  <br>"6137565"   "6169831").PN.   | USPAT   | 2003/05/10 14:06 |
| 177 | BRS  | 111    | 385/\$.ccls. and (bragg near3 grating) and diffracting   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/10 14:11 |
| 178 | BRS  | 58     | 385/\$.ccls. and (bragg near3 grating) and (diffract\$4 not USPAT; US-PGPUB; EPO diffraction)  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/10 14:22 |
| 179 | BRS  | 2      | 4262996.pn.  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/10 14:20 |
| 180 | BRS  | 5452   | bragg near3 grating  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/10 14:22 |
| 181 | BRS  | 915    | (bragg near3 grating) near20 diffract\$4   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/10 14:23 |
| 182 | BRS  | 248    | (bragg near3 grating) near20 (diffract or diffracted or diffracting)   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/12 12:29 |
| 183 | BRS  | 2      | 608 <b>4</b> 050.pn.   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/12 12:32 |
| 184 | BRS  | 299969 | (385/\$.ccls. or (optic\$4 near2 (fiber or waveguide of wave-guide of (wave adj guide))))  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/12 14:03 |
| 185 | BRS  | 70     | 65/\$.ccls. and (fiber or waveguide or (wave adj guide) or wave-guide) and nec   | or USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | 2003/05/12 14:32 |
| 186 | BRS  | 172    | 65/392   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/12 14:33 |
| 187 | BRS  | 127    | 65/392.ccls.   | 00 -  | 2003/05/12 14:33 |
| 188 | BRS  | 45     | 65/392 not 65/392.ccls.  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/12 14:33 |
| 189 | BRS  | 102    | 65/392 and (refract\$4 near3 index)  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB    | 2003/05/12 14:34 |

|   | 202 B  | 201 B   | 200 E  | 199 B  | 198 E            | 197 B            | 196 E                                   | 195 E   | 194 E   | 193 E  | 192 E  | 191 B   | 190 B   |             |   |
|---|--|---|--|--|------------------|------------------|---|---|---|--|--|---|---|-------------|---|
| BRS   | BRS  | BRS   | BRS  | BRS  | BRS              | BRS              | BRS                                     | BRS   | BRS   | BRS  | BRS  | BRS   | BRS   | Туре        |   |
| 81  | 28   | 200   | 673  | 48271  | 16               | 0                | ω                                       | 163   | 73  | 15   | 100056   | 9   | 8   | Hits        |   |
| ((((385/\$) or 65/\$), ccls. and (fiber or waveguide or wave-guide or (wave adj guide))) and (pulse near2 width)) and (pulse near2 width)) and (pulse near2 width) near20 (PS OR is or picosecond or pico-second or femtosecond or femto-second)))) and (picosecond) or (pico or femto) adj (second)))) and | ((((385/\$ or 65/\$).ccls. and (fiber or waveguide or wave-guide or (wave adj guide))) and (pulse near2 width)) and ((pulse near2 width)) and ((pulse near2 width) near20 (PS OR fs or picosecond or pico-second or femtosecond or femto-second) or ((pico or femto) adj (second)))) and (ultraviolet or uv or ultra-violet or (ultra adj violet)) | (((385/\$ or 65/\$).ccls. and (fiber or waveguide or wave-guide or (wave adj guide))) and (pulse near2 width)) and ((pulse near2 width)) and ((pulse near2 width) near20 (PS OR fs or picosecond or pico-second or femtosecond or femto-second))) | ((385/\$ or 65/\$).ccls. and (fiber or waveguide or wave-guide or (wave adj guide))) and (pulse near2 width) | (385/\$ or 65/\$).ccls. and (fiber or waveguide or wave-guide or (wave adj guide)) | 4190315.URPN.    | 5177859.URPN.    | ("4182545"   "4744619"   "4953936").PN. | ((385/\$ or 65/\$).ccls. and (fiber or waveguide or<br>wave-guide or (wave adj guide))) and (uneven near4<br>surface) | (385/\$ or 65/\$) and ((liquid or gelled or gel) near50 (refract\$4 near3 index) near50 (uneven\$5 or smooth\$5 or flatten\$4 or flat\$5 or even\$5)) | (385/\$ or 65/\$) and ((liquid or gelled or gel) near50 (refract\$4 near3 index) near50 (uneven or smooth or flatten)) | 385/\$ or 65/\$                                | ("5327515"   "5367588"   "5620495"   "5745615"  <br>"5745617"   "6069988"   "6204304"   "6221566"  <br>"6222973").PN. | ("5027079"   "5411566"   "5430817"   "5446820"  <br> "5625472"   "5996375"   "6295843"   "6298543").PN: | Search Text |   |
| USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB                                     | USPAT            | USPAT            | USPAT                                   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB  | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB   | USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB | USPAT   | USPAT   | DBs         | - |
| 2003/05/14 17:50  | 2003/05/14 17:50   | 2003/05/14 17:48  | 2003/05/14 17:43   | 2003/05/14 17:42   | 2003/05/14 17:02 | 2003/05/14 16:42 | 2003/05/14 16:42                        | 2003/05/14 16:42  | 2003/05/12 14:57  | 2003/05/12 14:55   | 2003/05/12 14:53                               | 2003/05/12 14:45  | 2003/05/12 14:49  | Time Stamp  |   |

| 204   |             |
|---|-------------|
| 204 BRS   | Type        |
| 14  | Hits        |
| cD-   |             |
| ((((((385/\$ or 65/\$).ccls. and (fiber or waveguide or wave-guide or (wave-guide or (wave-guide or (wave-guide or (wave-guide or (wave-guide))) and (pulse near2 width)) near20 (PS OR fs or picosecond or pico-second or femtosecond or femto-second) or ((pico or femto) adj (second)))) and (chang\$4 or increas\$4 or decreas\$4) near10 (refract\$4 near2 index)) and (((((385/\$ or 65/\$).ccls. and (fiber or waveguide or wave-guide or (wave adj guide))) and (pulse near2 width)) and (pulse near2 width) near20 (PS OR fs or picosecond or pico-second or femtosecond or femto-second) or ((pico or femto) adj (second)))) and (ultraviolet or uv or ultra-violet or (ultra adj violet))) | Search Text |
| USPAT; US-PGPUB; EPO;<br>JPO; DERWENT; IBM_TDB  | DBs         |
| 2003/05/14 17:50  | Time Stamp  |